

**Supplementary Table 1.** High Resolution Computed Tomography findings in silicosis. Adapted from Chong S et al.<sup>16</sup>

Form of Silicosis	High Resolution Computed Tomography Findings
Acute Silicosis (Silicoproteinosis)	Bilateral centrilobular nodular groundglass opacities, multifocal patchy ground-glass opacities, consolidation, crazy-paving pattern (airspace filling and interlobular septal thickening)
Classic Silicosis, simple form	Multiple small nodules up to 10 mm in diameter, diffusely distributed throughout both lungs (most numerous in the upper lobe), hilar and mediastinal lymph node enlargement, calcification of lymph nodes, eggshell calcification pattern (at the periphery of the node).
Classic Silicosis, complicated form	Focal soft-tissue masses, with irregular or ill-defined margins and calcifications, plus the same findings as in the simple form

**Supplementary Table 2.** Characteristics and treatment of patients with silicosis and autoimmune rheumatic diseases

Case	Age Range	Gender	ARD	Job	GC	csDMARD	b/tsDMARD	<i>Mycobacterium</i> species
1	40s	M	AAV	Stone cutter	Y	CP		
2	30s	M	AAV	Rubber production worker*	Y	CP		
3	50s	M	RA	Foundry worker	Y	AZA, MTX		
4	40s	M	RA	Stone cutter	Y	MTX	Rituximab	<i>M. avium</i>
5	60s	M	RA	Foundry worker	Y	MTX		
6	50s	M	RA	Rubber production worker*	N	MTX		
7	40s	M	RA	Sandblaster	Y	MTX		
8	40s	M	RA	Stone cutter	N			<i>M. kansasii</i>
9	40s	M	RA	Sandblaster	Y	MTX	Tofacitinib	
10	50s	M	RA	Stone cutter	Y	MTX	Tocilizumab	
11	60s	M	RA	Foundry worker	Y	MTX		<i>M. smegmatis</i>
12	50s	M	RA	Rubber production worker*	Y	SSZ	Rituximab	<i>M. tuberculosis</i>
13	50s	M	RA	Sandblaster	Y			
14	50s	M	RA	Stone cutter	Y			
15	40s	M	SLE	Well driller	N			
16	50s	M	SLE	Well driller	Y	AZA		
17	60s	M	SLE	Stone cutter	Y			
18	60s	F	SLE	Sandblaster	Y	AZA, MTX, MMF		
19	60s	M	SLE	Stone cutter	Y	MMF		
20	40s	M	SLE	Sandblaster	N			
21	50s	M	SSc	Foundry worker	Y	CP		
22	40s	M	SSc	Sandblaster	Y	CP		
23	50s	M	SSc	Stone cutter	Y	AZA		
24	50s	M	SSc	Stone cutter	Y	CP, CSA		<i>M. kansasii</i>
25	40s	M	SSc	Stone cutter	N			<i>M. tuberculosis</i>
26	40s	M	SSc	Sandblaster	Y	MTX, MMF, AZA	Tocilizumab	
27	40s	M	SSc	Cattle feed production worker*	Y	CP		
28	40s	M	SSc	Foundry worker	N	CP		
29	50s	F	SSc	Ceramic worker	Y			<i>M. tuberculosis</i>
30	60s	M	UCTD	Foundry worker	Y			
31	40s	M	UCTD	Foundry worker	N			
32	70s	M	UCTD	Stone cutter	N			<i>M. tuberculosis</i>
33	40s	M	UCTD	Well driller	N			<i>M. kansasii</i>
34	40s	M	UCTD	Sandblaster	N			
35	50s	M	UCTD	Foundry worker	N			

GC: chronic glucocorticoid use; csDMARD: conventional synthetic disease-modifying antirheumatic drugs use ever; b/tsDMARD: biologic/targeted synthetic disease-modifying antirheumatic drugs use ever; M: male; F: female; AAV: antineutrophil cytoplasmic antibody-associated vasculitidis; RA: rheumatoid arthritis; SLE: systemic lupus erythematosus; SSc: systemic sclerosis; UCTD: undifferentiated connective tissue disease; Y: yes; N: no; CP: cyclophosphamide; AZA: azathioprine; MTX: methotrexate; SSZ: sulfasalazine; MMF: mycophenolate mofetil.

\* silica dust was heavily used during the production